

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10589208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/11 08:48
S2	1	("20030073805").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 08:49
S3	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 08:49
S5	0	(208/251).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/11 08:51
S9	623	(208/251R).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:52
S10	332	(208/263).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:52
S11	290	(423/1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:52
S12	111	(554/176).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:53
S15	157	(558/155).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:57
S16	338	(528/287).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:57
S17	337	(252/389.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:58
S18	1	("6767989").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/11 09:01
S19	438	(528/398).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 09:01
S20	132	(562/20).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 09:02
S21	4	soap control agent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/11 09:04
S28	1	("6569974").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/11 10:45
S29	623	(208/251R).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 10:46

S34	869	((208/251R) or (208/252) or (208/253)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 17:47
S37	2	("3966630") or ("4886617").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 17:51
S44	1	("4680329").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 18:01
S52	1	("4618411").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 12:19
S53	405859	(crude\$1 or crude oil\$1 or crude petrol\$4) or (heavy oil\$1) or (raw (petrol\$4 or oil\$1)) or (unprocessed (petrol\$4 or oil\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:25
S54	888045	(naphthenic\$1 or naphthenate\$1) or (carboxylic\$1) or (fatty acid \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:26
S55	145722	S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:27
S56	2	("3483925").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 12:32
S57	1	("5171460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 12:35
S58	3095	(calcium naphthenate) or (sodium naphthenate) or (magnesium naphthenate) or (iron naphthenate) or (calcium carboxylate) or (magnesium carboxylate) or (iron carboxylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:44
S59	612	S55 and S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:45
S60	80	S59 and (sequester\$3 or chelat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:45

S61	221	S59 and soap\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:52
S63	30	S61 and S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:53
S65	191	S61 not S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:55
S66	38	S65 and (phosphorus or phosphinate\$1 or phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:55
S69	1	("5008026").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 13:31
S70	16	("5008026").URPN.	USPAT	ADJ	OFF	2009/02/12 13:31
S74	10021	phosphorus with polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 13:46
S77	51	(phosphorus with polymer) and ((calcium naphthenate) or (sodium naphthenate) or (magnesium naphthenate) or (iron naphthenate) or (calcium carboxylate) or (magnesium carboxylate) or (iron carboxylate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 13:47
S78	57	((phosphonate\$1 or phosphinate\$1 or phosphorus) with polymer) and ((calcium naphthenate) or (sodium naphthenate) or (magnesium naphthenate) or (iron naphthenate) or (calcium carboxylate) or (magnesium carboxylate) or (iron carboxylate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 13:53

S80	2586102	("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:07
S85	20219	((Mg.sup.2+ OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and (phosphino\$1 or phosphinate\$1 or phosphonate\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:10
S86	16458	((Mg.sup.2+ OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and (phosphino\$1 or phosphinate\$1 or phosphonate\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:10
S87	9645	((Mg.sup.2+ OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and (phosphino\$1 or phosphinate\$1 or phosphonate\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:11

		or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and (scale\$1 or soap\$1 or corrosion)				
S89	846	(("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+" ) OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and (scale\$1 or soap\$1 or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:11
S90	340	(("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+" ) OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and ((scale\$1 or soap\$1 or corrosion) with inhibit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:14
S91	266	(("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+" ) OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:14

		(napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)				
S92	206	((("Mg.sup.2+ " OR "Ca.sup.2+ " OR "Na.sup.+" OR "Fe.sup.2+ " OR "Fe.sup.3+ ") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)) not (lubricant\$1 or lubricat\$3 oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:17
S93	11	((("Mg.sup.2+ " OR "Ca.sup.2+ " OR "Na.sup.+" OR "Fe.sup.2+ " OR "Fe.sup.3+ ") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)) not (lubricant\$1 or lubricat\$3 oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:22

S94	11	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+)) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1 or phosphino) with polymer \$1) and (naphthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)) not (lubricant\$1 or lubricat\$3 oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:28
S95	218573	(chelat\$3 or sequest\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:46
S96	36969	S95 and (naphthenate\$1 or carboxylate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:46
S97	17260	S96 and (inhibit or inhibits or inhibition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:47
S98	476	S97 and (metal ion\$1 with (remov\$3 or extract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:50
S99	5385	S95 and (metal ion\$1 with (remov\$3 or extract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:53

S100	139	S98 and (phosphorus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:55
S101	144	S98 and (phosphino or phosphinate\$1 or phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:55
S102	5	S98 and ((phosphino or phosphinate\$1 or phosphonate\$1) with (polymer or telomer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:56
S103	7	S98 and (phosphorus with (polymer or telomer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:56
S104	4221	(crude oil) and (metal with (remov\$3 or extract\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:06
S105	288	(crude oil) and (metal with (remov\$3 or extract\$4)) and (chelat\$3 agent\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:07
S106	30	(crude oil) and (metal with (remov\$3 or extract\$4)) and ((chelat\$3 agent\$1) same (polymer\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:07
S107	12	(crude oil) and (metal with (extract\$4)) and ((chelat\$3 agent\$1) same (polymer\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:11
S108	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 16:17
S109	1	("5980776").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 16:18
S110	1	("6814885").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 16:18

S111	900	(Rhodia).asmn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:23
S112	15	(Rhodia).asmn. and (naphthenate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:23
S113	2	(Albright & Wilson).asmn. and (naphthenate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:48
S114	1568	(magnesium or calcium or sodium or iron) and (chelat\$4) and ((phosphorus or phosphonate or phosphinate) with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S115	26	(magnesium or calcium or sodium or iron) and (chelat\$4) and ((phosphorus or phosphonate or phosphinate) with polymer\$1) and (crude oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S116	6	(magnesium or calcium or sodium or iron) and (chelat\$4) and ((phosphorus or phosphonate or phosphinate) with polymer\$1) and (metal extract\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S117	726	(magnesium or calcium or sodium or iron) and (chelat\$4) and ((phosphorus or phosphonate or phosphinate) with polymer\$1) and (extract\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S118	6	(magnesium or sodium or iron) and (chelat\$4) and ((phosphorus or phosphonate or phosphinate) with polymer\$1) and (metal extract\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:51
S119	31	(magnesium or calcium or sodium or iron) and (chelat\$4 or sequester\$3) and ((phosphorus or phosphonate or phosphinate) with polymer\$1) and (crude oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:57

S120	28	(magnesium or calcium or sodium or iron) and (chelat\$4 or sequester\$3) and ((phosphorus or phosphonate or phosphinate) with polymer \$1) and (crude oil) and (extract\$3 or remov\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:58
S121	4833	(naphthenate\$1 and scal\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:04
S122	2	("3462365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:05
S123	5	(("4678605") or ("5047325") or ("5863415") or ("6214777") or ("6663841")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:18
S124	35284	((magnesium or calcium or sodium or iron) naphthenate) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:32
S125	5212	((magnesium or calcium or sodium or iron) naphthenate) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron)) and (crude oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:32
S126	3753	(((magnesium or calcium or sodium or iron) naphthenate) and (inhibit\$3)) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron)) and (crude oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:33
S127	816	(((magnesium or calcium or sodium or iron) naphthenate) and (inhibit\$3)) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron)) and (crude oil\$1) (extract\$3 or remov\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:33
S128	3	(("2143991") or ("4192767")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:50

S129	5766	(calcium or magnesium or iron or sodium) soap\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:17
S130	1070	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:18
S131	108	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4) and crude oil\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:18
S132	3	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4) and (crude oil\$1) and (chelat\$4 or sequester\$4 or sequestrant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:19
S133	2	("3330347").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/18 16:21
S134	14	("3330347").URPN.	USPAT	ADJ	OFF	2009/02/18 16:21
S135	10	("3025911"   "3330347"   "3344858"   "3414053"   "3581824"   "3777818").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/18 16:23
S136	2	("3921714").URPN.	USPAT	ADJ	OFF	2009/02/18 16:24
S137	3	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4) and (crude oil\$1) and (chelat\$4 or sequester\$4 or sequestrant or chelant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:29
S138	39	((calcium or magnesium or iron or sodium)(naphthen\$4)) and (crude oil\$1) and (chelat\$4 or sequester\$4 or sequestrant or chelant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:30
S139	1	("4895664").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/18 16:41
S140	3	((phosphinate or phosphonate or phosphino or phosphorus) with polymer) and (metal\$1 extraction\$1 or metal ion \$1 extraction\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 10:06

S141	752	((phosphinate or phosphonate or phosphino or phosphorus) with polymer) and (soap\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 10:12
S142	675	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:01
S143	566	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphorus or phosphonate\$1 or phosphinate\$1 or phosphate\$1 or phosphino \$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:01
S144	10	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphino\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S145	551	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphate\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S146	11	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphinate\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S147	256	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphonate\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S148	203	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphorus)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02

S149	27	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelat\$4 or sequestra\$5 or chelant\$1) builder\$1) and (phosphonate\$1 with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:30
S150	2	("20050167320") or ("20050145543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/19 14:06
S151	2	("20050139522") or ("20050155908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/19 14:06
S152	154936	(chelat\$3 or sequest\$6) and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+ ") or ("Na.sup.+ ") or ("Fe.sup.2+ ") or ("Fe.sup.3+ ")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:34
S153	23785	(chelat\$3 or sequest\$6) with (polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:34
S154	17611	S152 and S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:34
S155	957	S154 and ((phosphonate\$1 or phosphinate\$1 or phosphonic\$1) with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:35
S156	18	S155 and (crude oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:35
S157	46	S155 and (crude oil\$1 or oil well\$1 or squeeze treatment\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:36
S158	1	("5271863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 09:43
S159	9	("3355270"   "3703473"   "4105690"   "4130582"   "4217235"   "4749468"   "4847415").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/23 09:44

S161	3	("5271863").URPN.	USPAT	ADJ	OFF	2009/02/23 09:45
S162	2	S161 and (phosphonate\$1 or phosphinate\$1 or phosphonic\$1)	USPAT	ADJ	OFF	2009/02/23 09:45
S163	16	(( "4490308" ) or ("4546156") or ("4604431") or ("4647381") or ("4676911") or ("4678840") or ("4680339") or ("4703092") or ("4777894") or ("4777219") or ("4801388") or ("4997890") or ("5004786") or ("5120797") or ("5143622") or ("5179173")).PN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 09:51
S164	4	S163 and ((phosphonate\$1 or phosphinate\$1 or phosphonic\$1) with polymer)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:52
S167	1	("6071434").PN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 10:16
S168	1	("4046707").PN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 10:23
S169	154936	(chelat\$3 or sequest\$6) and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or (( "Mg.sup.2+" ) or ( "Ca.sup.2+" ) or ( "Na.sup.+" ) or ( "Fe.sup.2+" ) or ( "Fe.sup.3+" )))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S170	23785	(chelat\$3 or sequest\$6) with (polymer\$1)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S171	17611	S169 and S170	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26

S172	957	S171 and ((phosphonate\$1 or phosphinate\$1 or phosphonic\$1) with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S173	42	S172 and (crude oil\$1 or oil well\$1 or squeeze treatment\$1) and (naphthen\$4 or carboxyl \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S174	4	S172 and (crude oil\$1 or oil well\$1 or squeeze treatment\$1) and (naphthen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:27
S175	2	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1) end cap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:03
S178	6	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1) end cap \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:04
S179	2738	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:05
S180	862	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1)) and (chelat\$4 or sequest\$6 or chelant\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:06
S181	187	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1)) and ((chelat\$4 or sequest\$6 or chelant\$1) same polymer \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:06
S182	11	S181 and (naphthen\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:09

S183	128	S181 and (carboxylic\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:10
S184	103	S181 and (carboxylate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:10
S187	1248	((208/251R)) or ((208/256)) or ((208/257))).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:16
S188	58	S187 and (chelat\$4 or chelant\$1 or sequest\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:17
S189	422	S187 and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:18
S190	40	S188 and S189	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:18
S191	83	S187 and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")) with (remov\$3 or extract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:19
S192	18	S191 and S188	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:19

S193	20	("2976233"   "3052627"   "3153623"   "3167500"   "3317421"   "3322664"   "3449243"   "4280897"   "4431524"   "4432865"   "4439345"   "4539099"   "4568450").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/23 12:31
S199	11	"1642497"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:32
S200	3	("4778592").URPN.	USPAT	ADJ	OFF	2009/02/23 12:35
S201	1	S200 and naphthenate\$1	USPAT	ADJ	OFF	2009/02/23 12:38
S202	260	S187 and (chelat\$4 or chelant\$1 or sequest\$7 or complex\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:42
S203	162	S189 and S202	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:42
S204	59	S189 and S202 and naphthen\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:43
S205	1	("5018577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:53
S206	1	S187 and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or (("Mg.sup.2+" or ("Ca.sup.2+")) or ("Na.sup.+" or ("Fe.sup.2+" or ("Fe.sup.3+")))) and (phosphinate\$1 or phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:02

S207	12526	((magnesium or calcium or sodium or iron) with ion \$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")) and (naphthenate\$1 or naphthenic salt\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:43
S208	1838	((magnesium or calcium or sodium or iron) with ion \$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")) and (naphthenate\$1 or naphthenic salt\$1) and (chelat\$4 or chelant\$1 or sequest\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:43
S209	5428	((magnesium or calcium or sodium or iron) with ion \$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")) and (naphthenate\$1 or naphthenic salt\$1) and (inhibit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:44
S210	934	S208 and S209	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:44
S211	111	S208 and S209 and (magnesium or calcium or sodium or iron) naphthenate\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:44
S212	4	S211 and (((magnesium or calcium or sodium or iron) naphthenate\$1) with inhibit \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:45
S213	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:47

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